

RECEIVED
CENTRAL FAX CENTER

IN THE CLAIMS

SEP 04 2007

1. (Currently amended) A body-worn personal communications apparatus comprising:
 - a physically-shortened electric antenna that is physically smaller in at least one dimension than its electrical length in that same dimension;
 - a transceiver connected to said physically-shortened electric antenna;
 - a microphone connected to said transceiver; and
 - a casing having a width, a length and a height, said height being less than said width and less than said length,
 - wherein said transceiver is disposed within said casing,
 - wherein said physically-shortened electric antenna is mounted transversely to a plane through said casing such that said one dimension of said physically-shortened electric antenna is aligned with said height of said casing,
 - wherein said physically shortened electric antenna is designed so as to not require manipulation by a user.
2. (Currently amended) A body-worn personal communications apparatus comprising:
 - a physically shorted electric antenna that is physically smaller than its electrical length of claim 1.
 - wherein said physically-shortened electric antenna is a helical antenna;
 - wherein said physically shortened electric antenna is designed so as to not require manipulation by a user.
3. (Previously presented) The apparatus of claim 1, wherein said physically-shortened electric antenna is a meander-line antenna.
4. (Canceled)
5. (Previously presented) The apparatus of claim 1, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

6. (Currently amended) The apparatus of claim 5, wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connections between said microphone and said transceiver.

7. (Previously presented) The apparatus of claim 5,
wherein said physically-shortened electric antenna is formed from a hollow wire,
wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and
wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.

8. (Previously presented) The apparatus of claim 6, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

9. (Previously presented) The apparatus of claim 5, wherein said microphone provides a top loading to said physically-shortened electric antenna.

10. (Currently amended) A body-worn personal communications apparatus comprising:
a casing having a width, a length and a height, said height being less than said width and less than said length; and
a physically-shortened electric antenna mounted transversely to a plane through said casing, wherein the physically shortened electric antenna that is physically smaller in at least one dimension than its electrical length in that same dimension than its electrical length,
wherein said physically-shortened electric antenna is mounted such that said one dimension of said physically-shortened electric antenna is aligned with said height of said casing,
wherein said physically shortened electric antenna is designed so as to not require manipulation by a user.

11. (Previously presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is a helical antenna.

12. (Previously presented) The apparatus of claim 10, wherein said physically-shortened electric antenna is a meander-line antenna.

13. (Canceled)

14. (Previously presented) The apparatus of claim 10, wherein said microphone is located at an end of said physically-shortened electric antenna furthest from said casing.

15. (Previously presented) The apparatus of claim 10, further comprising:

a transceiver,

wherein said physically-shortened electric antenna is formed from a coaxial cable that provides electrical connection between said microphone and said transceiver.

16. (Previously presented) The apparatus of claim 10, wherein said microphone provides a low impedance at radio frequencies to thereby enable said coaxial cable forming said physically-shortened electric antenna to act as an inductive stub.

17. (Currently amended) The apparatus of claim 10, further comprising:

a transceiver; and

a microphone.

wherein said physically-shortened electric antenna is formed from a hollow wire, wherein a first electrical connection between said microphone and said transceiver is provided by said hollow wire, and

wherein a second electrical connection between said microphone and said transceiver is provided by a conductor enclosed by said hollow wire.

18. (Previously presented) The apparatus of claim 10, wherein said microphone provides a top loading to said physically-shortened electric antenna.